



accentize

User Manual DeRoom Pro

The accentize DeRoom Pro plugin helps you to fix audio material which contains unwanted reverb and echo components. The underlying artificial intelligence algorithm first recognises the room conditions and then provides parameters to reduce or eliminate the resulting undesired parts of the signal. The plugin is optimised for speech recordings but also works with other signals as for example drums or percussion. In comparison to the regular DeRoom plugin, this professional version offers a lot more parameterisation possibilities along with an improved underlying algorithm.



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Installation

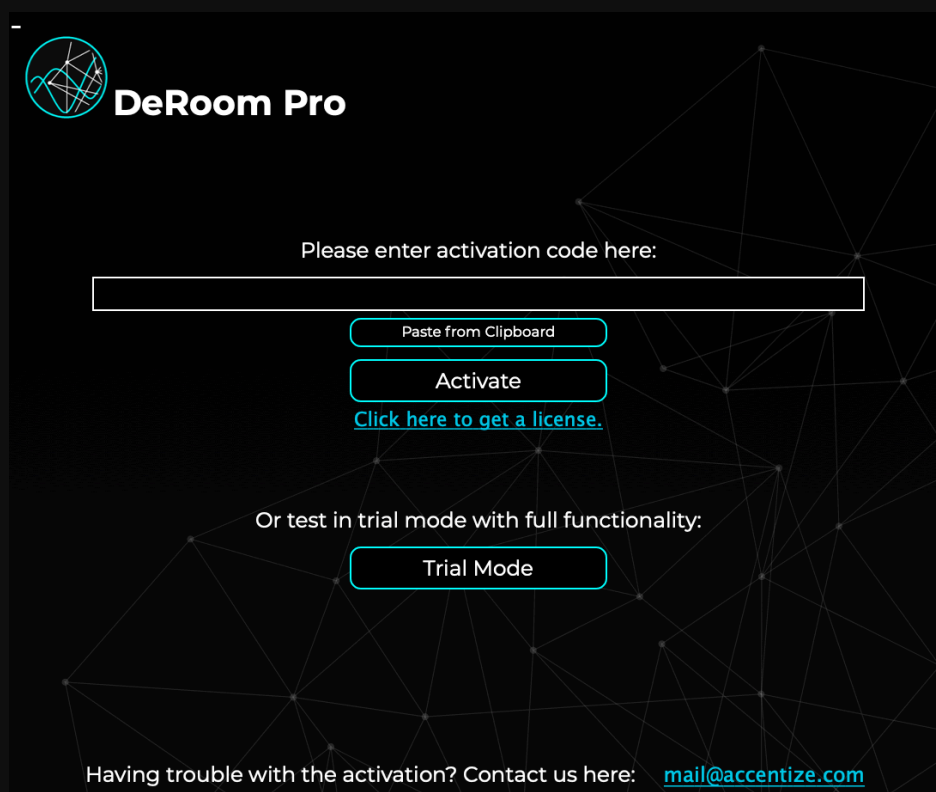
The plugin is distributed with an easy to use installer. In the installation process the usual audio plugin paths are set as a default. If you aren't using any custom path for your plugins you can leave everything as it is and just let the installer do its job. After the installation DeRoom Pro should appear in the list of available plugins in your DAW.

The plugin works is compatible with: Reaper, ProTools 11 or higher, Nuendo, Cubase, Ableton Live



Activation

When the plugin is loaded for the first time, the following activation screen will be shown:

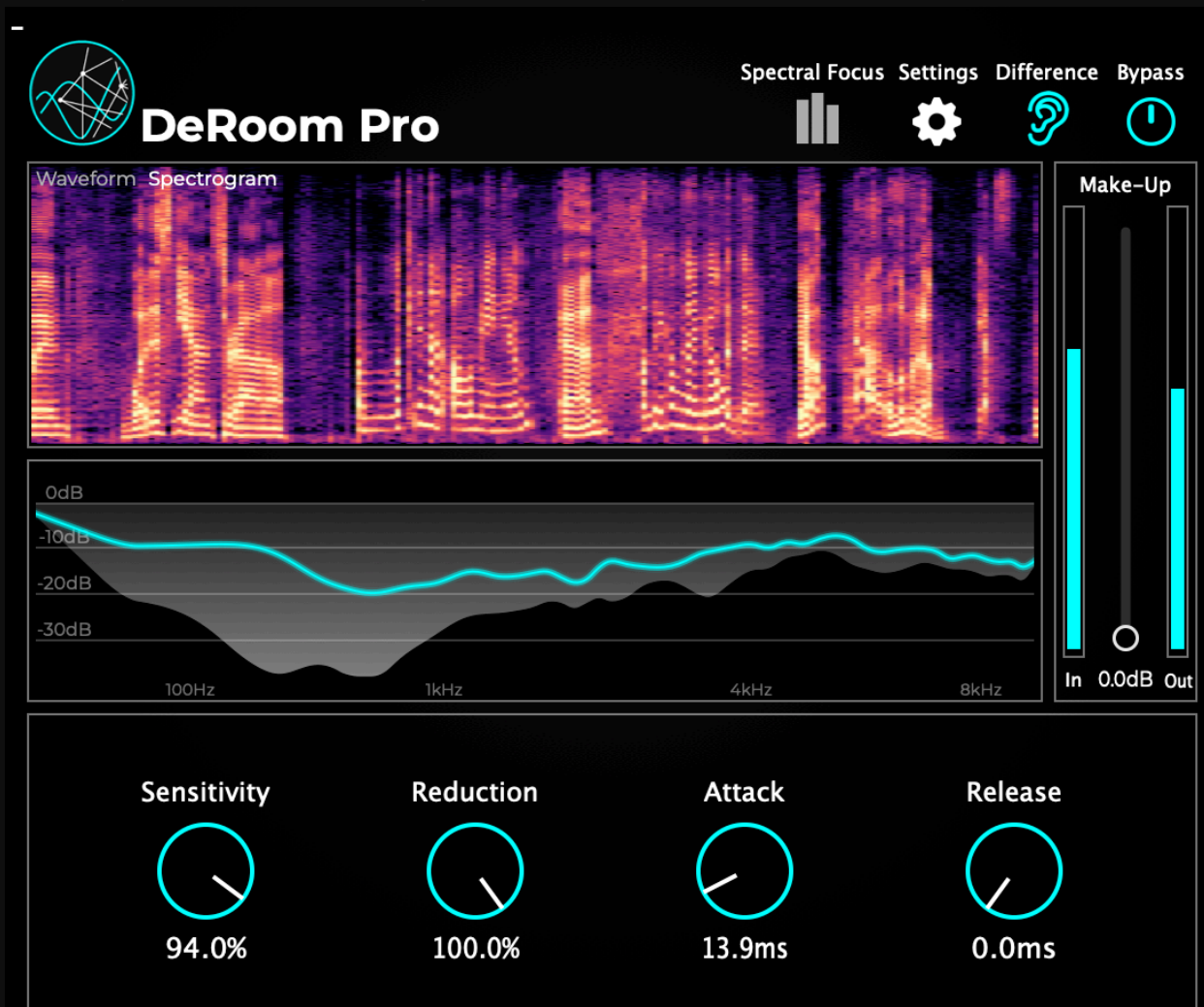


You have the option of either pressing the Trial Mode button or entering an activation code to permanently activate the plugin. For both activating or starting Trial Mode an active internet connection is required. Once the plugin has been activated, it can also be used without internet access. The trial mode is fully functional with the only limitation that after 7 days of trial startups you are required to enter a valid activation code.

A purchased activation code can be used on up to 2 different systems.

User Interface

After installation and activation the plugin will be ready to use. By using machine learning approaches the available control parameters could be kept to a minimum in order to make the usability as comfortable as possible.



At the top right of the plugin you will find four buttons: Spectral Focus, Settings, Difference and Bypass.

Spectral Focus Mode allows you to set all parameters separately in three different frequency bands.

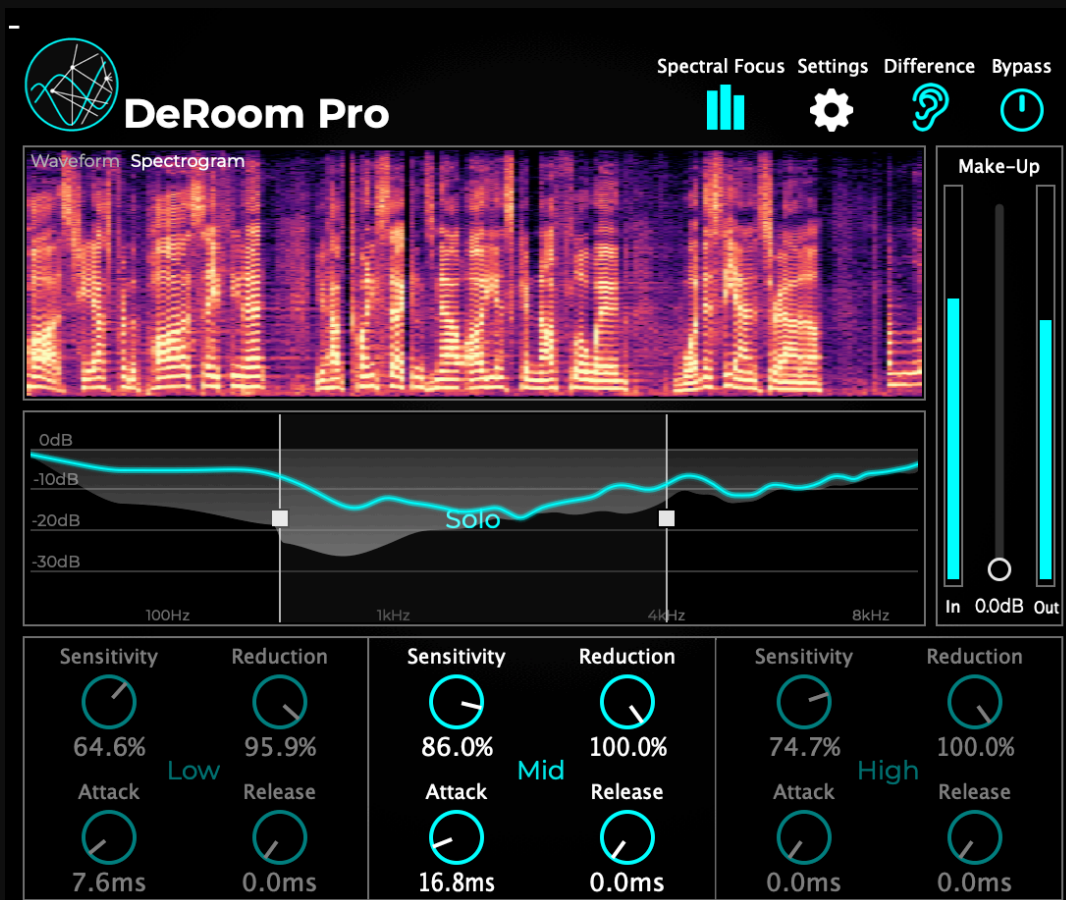
The Settings menu lets you resize the UI or set a specific processing algorithm. As a default the DeRoom Pro algorithm is selected which should achieve the best results in most scenarios. You have also access to the specific small, medium and large algorithms. Additionally for the DeRoom Pro algorithm there is a low latency mode which reduces the overall latency to roughly one third which can be useful for live applications. However, the result might not be as precise as in the regular latency mode.

In the center of the interface a signal visualisation is being displayed. In waveform mode the view shows the logarithmic signal energy of the signal. The grey level in the background is the original level while the coloured part is the processed output signal. While playing the audio you can directly see how much signal is being taken away. In spectrogram mode a live spectrogram of the output signal is being displayed.

Below the signal visualisation you find a gain visualisation which shows the applied gain

Spectral Focus

Spectral Focus Mode allows you to individually set parameters for different frequency bands. Once you change to Spectral Focus the Interface changes a little.



You can adjust the cutoff frequencies by dragging the squares in the gain view. By clicking a band it can be played in solo which lets you adjust the reduction controls for each band separately.

How-to

In this section you get a short set of instructions how you should start if you want to de-room a recording:

1. Start with spectral focus mode turned off.
2. Turn up the reduction parameter to 100% percent
3. Leave the sensitivity at 50%
4. Leave Attack and Release at 0ms
5. Adjust the sensitivity setting until you find the ideal trade-off between full room sound reduction and arising artefacts
6. Adjust the reduction parameter to the desired amount of room sound reduction. Leave it at 100% if you want full room sound reduction
7. If the applied gain moves too quickly or pumping artefacts come up, you can use attack and release times to tackle those problems.
8. In case you want different reduction behaviour for different frequency, then switch to spectral focus mode and adjust the parameters for three separate bands as needed.
9. Optionally apply some make-up gain if necessary.

Minimum System Requirements

The plugin should run without any problems on the following systems:

- MacOS 10.12 / Windows 7 (64-bit)
- Dual-Core CPU 2GHz
- 4GB Ram
- 100MB free disk space

An active internet connection is required for starting in Trial Mode (always) and activating (just once).

Plugin Specifications

Supported samplerates: 44.1kHz,48kHz,96kHz,192kHz

Supported channel layout: Mono

Plugin formats: AAX, VST3, AU

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